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TITLE: INNER CYLINDER FOR ROTARY INCINERATOR

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ABSTRACT:

PURPOSE: To improve the combustion efficiency of a rotary incinerator by providing a screw and stirring blades on the inside surface of an inner cylinder thereof to thereby increase the combustion surface area of an article to be incinerated.

CONSTITUTION: An article to be incinerated is charged through an inlet 5 into an inner cylinder 1 of a rotary incinerator. Since a rotary kiln is revolved, the article is fed under pressure from the inlet 5 toward an ash outlet 7 by a screw 8, and stirred on the way by stirring blades 9, 10. since the article is sequentially scraped up from the lower portion to upper portion by the blades 9, 10 to be inclined toward the inlet 5 when reaching the upper portion, it so drops as to return toward the inlet 5. Accordingly, it provides sufficiently long staying time of the article in the inner cylinder 1 to completely burn the article in the cylinder 1 to thereby improve the combustion efficiency of the incinerator.

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